

Fig. 2

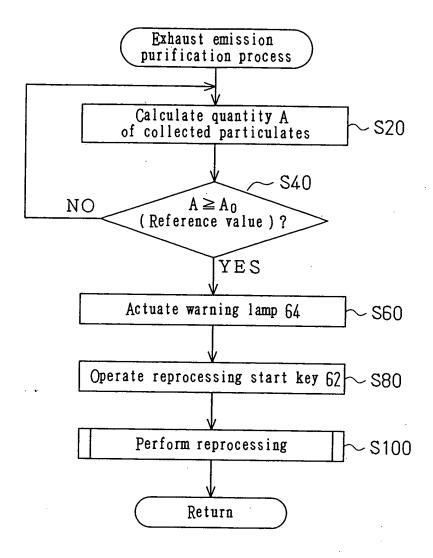


Fig. 3

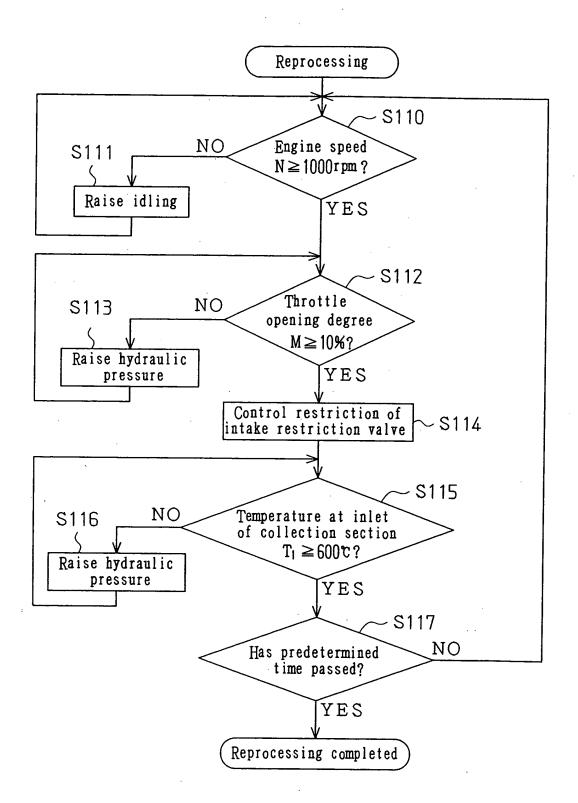


Fig. 4 Reprocessing -S110 Engine speed NO S111 $N \ge 1000 \text{rpm}$? Raise idling YES -S112 Throttle S113 NO opening degree M≥10%? Raise hydraulic YES pressure -S120 Differential pressure NO at collection section $\Delta P \ge BkPa$? -S121 Temperature at outlet NO YES. of collection section $T_2 \ge 620 \text{c}$? S122 YES YES Temperature at outlet of collection section $T_2 \ge 670 \text{C}$? NO Control injection Control injection S125 S123 timing delay angle timing advance angle S126 ~ Restriction control Control valve opening ~ S124 S127 NO Temperature at inlet **S128** of collection section $T_1 \geq 600$ °? Raise hydraulic pressure YES. S129 NO Has predetermined time passed? YES

Reprocessing completed

Engine torque (Nm) First embodiment No air intake restriction control Fig. 5 ವ ೧ Air intake restriction control plus fuel injection timing delay angle control (Temperature is raised up to 600°C) (Temperature is raised up to 600 °C) Air intake restriction control

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Second embodiment

Engine speed (rpm)

At idling